

Supporting Information

Coordination between $[\text{H}_2\text{P}_2\text{W}_{12}\text{O}_{48}]^{12-}$ and Antimony (III): Synthesis and Characterization of Sandwich Complex Derived from the New $\{\text{P}_2\text{W}_{13}\text{O}_{51}\}$ Fragment

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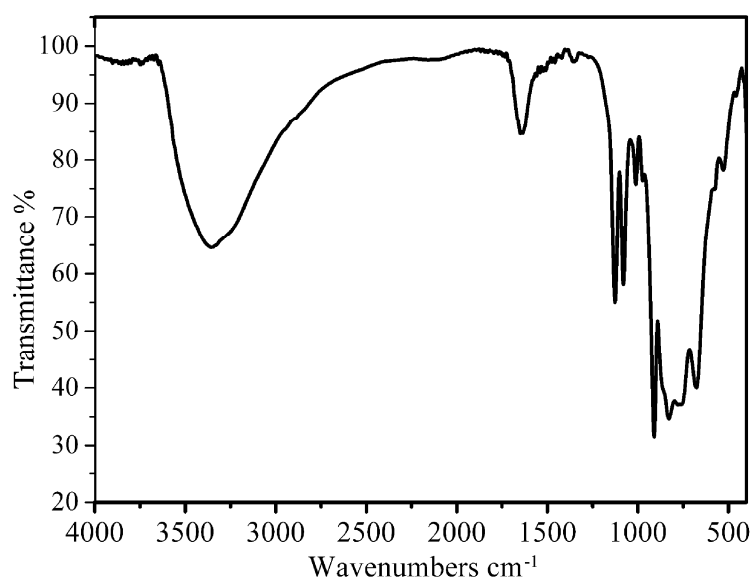


Figure S1. IR spectra of compound $\text{K}_{12}[\text{H}_2\text{P}_2\text{W}_{12}\text{O}_{48}] \cdot 24\text{H}_2\text{O}$. The P–O bands are at 1126, 1080 and 1011 cm^{-1} .

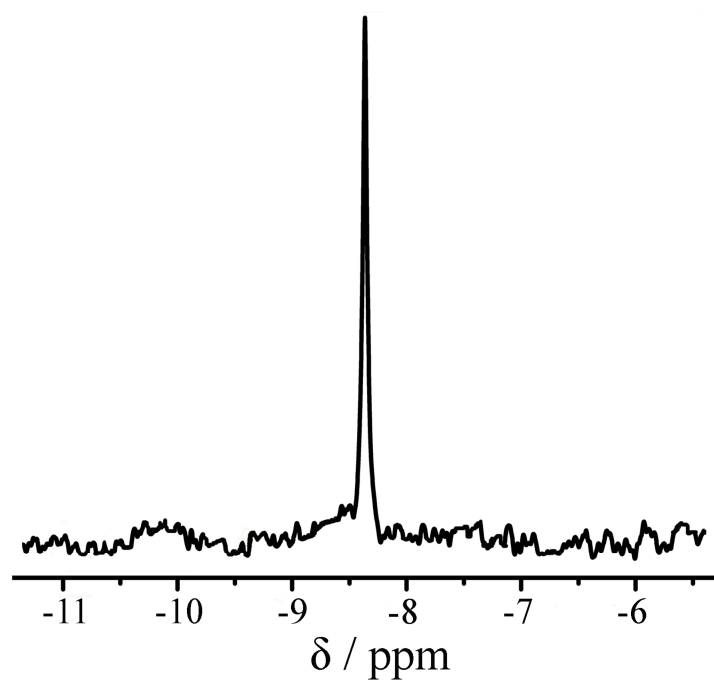


Figure S2. ^{31}P NMR spectrum of a freshly prepared solution ($\text{K}_{12}[\text{H}_2\text{P}_2\text{W}_{12}\text{O}_{48}] \cdot 24\text{H}_2\text{O}$) in lithium chloride exhibits a single resonance at -8.4 ppm at room temperature.

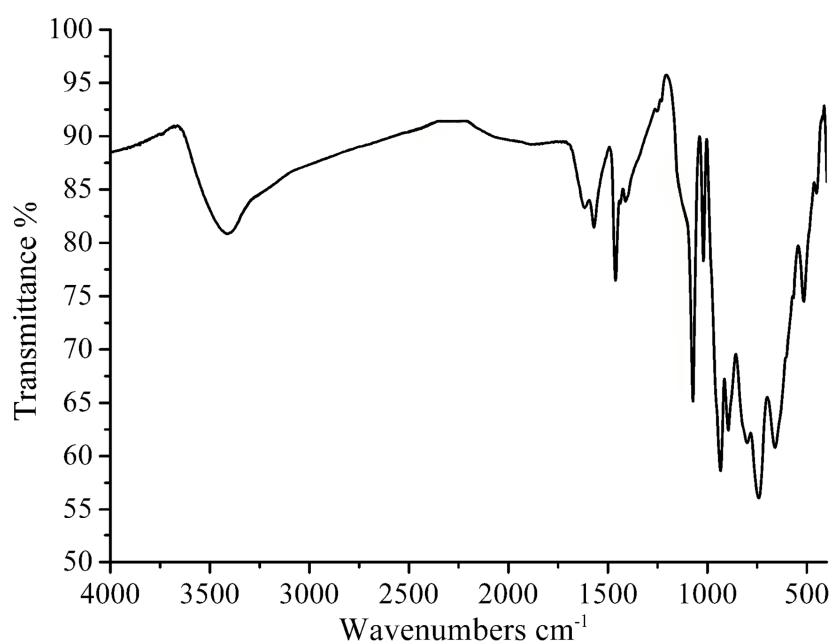


Figure S3. IR spectra of compound $\text{K}_{10}\text{-1} \cdot 21\text{H}_2\text{O}$.

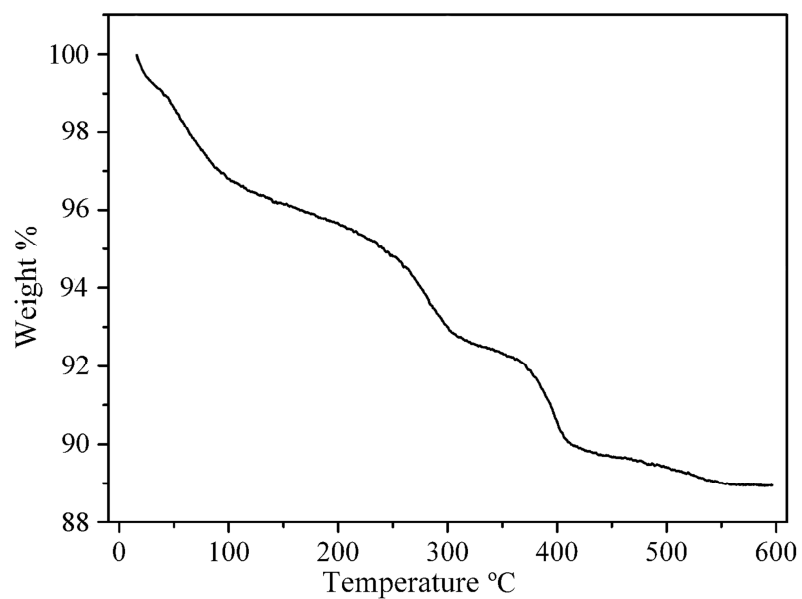


Figure S4. TG curve of compound $K_{10}-1 \cdot 21H_2O$. Heating rate: 10 deg min^{-1} , N_2 atmosphere.

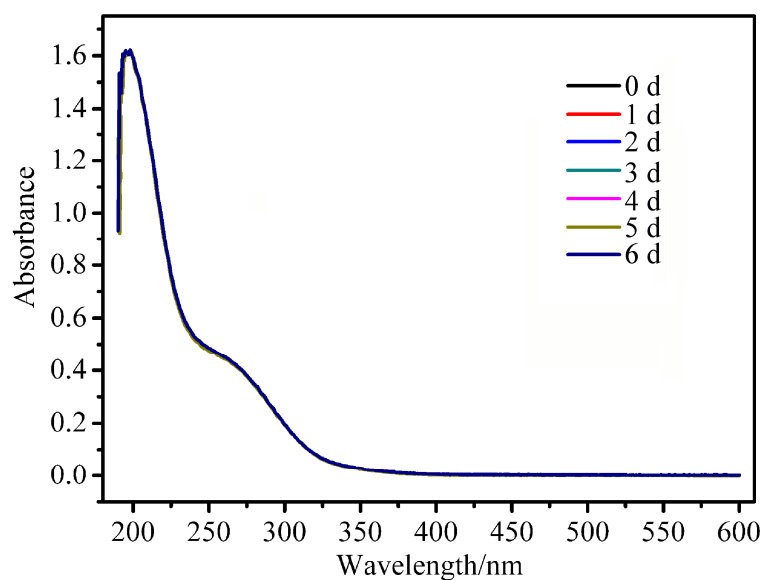


Figure S5. The influence of time on the stability of **1** in the aqueous solution. Conditions: the pH value that **1** was dissolved in water ($4 \times 10^{-4} \text{ mol L}^{-1}$) is 6.0.

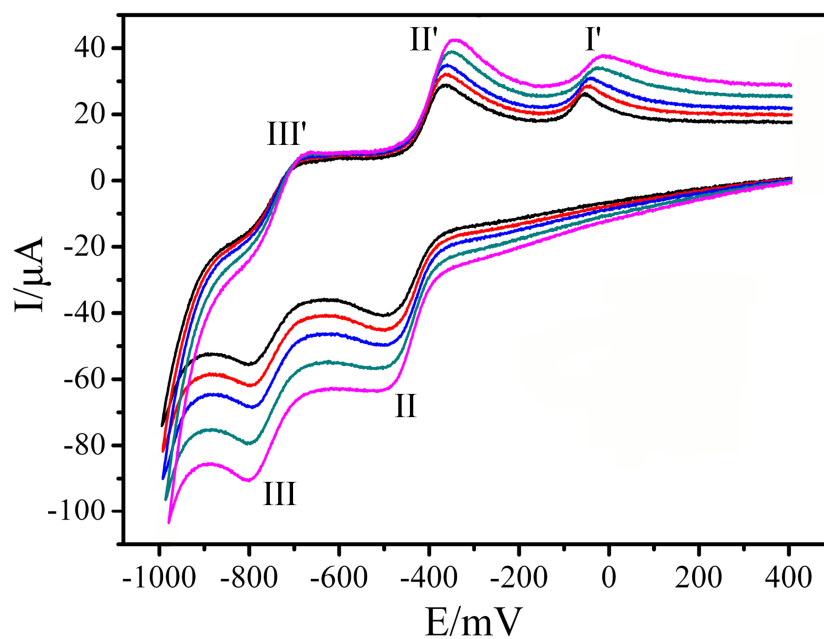


Fig. S6. Cyclic voltammograms of **1** (1.0 mM) in the pH 4.7 (0.5 M CH₃COOK + CH₃COOH) buffer solution at different scan rates (from inner to outer: 40, 50, 60, 80, 100 mV·s⁻¹), the working electrode was glassy carbon, and the reference electrode was Ag/AgCl.